

INTERFERENCE IS DUE TO MANY COINCIDENCES

Loop Antenna May Sometimes
Help in Locating Source
of Troubles.

A faulty fuse or transformer in the light supply wire, a high tension wire which swings and touches a tree, or sometimes a young boy who does not appreciate what a nuisance he is making of himself, will cause interference which may render signals from distant points totally unintelligible.

Where interference of this nature persists, the radio inspector may be called in, or, if he is not available, the members of your radio club. Either of these should be able to locate the sources of interference.

Before the loop or coil antenna came into prominence, receiving apparatus was frequently set up in an automobile with the antenna on top of the car, the receiver tuned to the disturbing signal, and the auto set under way. The idea was to circle through a given territory, in the trend of the circle always being in that direction where signals seemed loudest.

Finally the signals would be definitely located within a small area, where the search would be concentrated for the source of the disturbance.

Search Simplified.
The use of a loop or coil antenna simplifies this search considerably. As is well known, the loop antenna receives best when it is in the plane through which the signal advances. If the plane of the loop points toward the transmitting station, the signal is loudest. If the plane of the loop is at right angles to the direction of propagation of the signals, no signal will be received.

Two such loops set at some little distance from each other will be able to closely approximate the location of the source of disturbance. The locality is then visited and careful examination made.

In case of electric light wires, it is usually found that high tension circuit is discharged into the branch of a tree, or that a defective fuse on the transformer pole is giving the trouble.

Boy's Set.
In the case of a small boy's set, his antenna usually will give him away. If this chance is to be indoors, inquiry in the neighborhood generally will disclose the culprit.

I have visited communities where, for weeks at a time, faulty lighting circuits or high tension transmission lines caused so much trouble as to make it impossible for anyone within a radius of several miles to satisfactorily receive broadcast programs.

When conditions such as these exist, it should fall upon the public service companies to eliminate the steps are necessary to eliminate the fault. Usually they are more than glad to co-operate.

UNIVERSITY VIRGINIA GRADUATE IS FREED

North Carolina Governor Re-
sends Action Honoring Ex-
tradition to Kentucky.

[By Associated Press.]
RALEIGH, N. C., Dec. 30.—Governor Morrison today rescinded his previous action in honoring extradition papers in the case of William Bingham Gray, who had been taken in charge of obtaining money under false pretenses. The action was taken after a hearing held at the governor's office and Gray was immediately given his liberty.

"I have made an investigation of this matter," said the Governor, "and while I believe a sincere and honest effort was made to establish the result, I do not believe young Gray is guilty of any fraud. I have found that he had his law class at the University of Virginia this year and is considered a bright man with an excellent future. I do not intend to ruin his life by sending him to Kentucky for trial."

"I want to say, however, that Colonel Gray (Preston Lewis Gray, the father), should discontinue the operation of the school or it will get him into serious trouble."

J. B. Hubbard, who was sent here to seek extradition of Gray, testified today that Gray had misrepresented the school at Mebane in getting students. The plant was insufficient to meet the educational needs of "a baby," he said, and a number of Kentucky parents had been forced to withdraw their sons at a financial loss.

DOORS OF WILMINGTON BANK ORDERED CLOSED

Commercial National Bank
Placed in Charge of Na-
tional Examiner.

[By Associated Press.]
WILMINGTON, N. C., Dec. 30.—The Commercial National Bank here failed to open its doors today and a notice was posted on the door signed by W. F. Polger, a national bank examiner saying the institution had been closed by order of the Comptroller of Currency, and that the bank examiner had taken charge.

Mr. Polger, who has been examining the bank's books for several days, refused to make any statement other than to refer to the formal notice posted on the doors of the institution. One executive who declined to permit his name to be used said: "I believe that if the bank is properly managed that 100 cents on every dollar will be paid to depositors."

Closing of the institution came as a surprise generally. It was said by Wilmington business men, Lieutenant Governor W. B. Cooper is chairman of the bank's board of directors.

The latest statement of the bank showed capital and surplus of \$225,000 and resources of \$3,000,000. The bank was organized in 1899, and seven years later was amalgamated with the Atlantic Bank and was known as the American National Bank until 1918, when it relinquished its national charter and assumed the name of the American Bank and Trust Company. It became a national bank again last spring, and since then has been known as the Commercial National Bank.

SERVICE IN HOTEL IS MATTER OF HIGHEST SPECIALIZATION

Real Science Is Needed to Keep an Inn, Says Head of
Waldorf-Astoria Corporation—Must Have
Every Convenience.

The following was written by L. M. Boomer, chairman of the board of executive committee, of the Waldorf-Astoria Corporation, an organization directing some of the most famous hotels in the world. His name is known to hotel heads throughout the civilized universe.

By L. M. Boomer.
The judgment of a nation on a city rests surprisingly often on its hotels. This town is declared a "good town" and that town is declared a "punk place" by thousands of travelers who if called upon to give a basic reason for this conclusion could be pinned down to the fact that the hotel wherein they were quartered gave them service or lack of service, made their stay pleasant or unpleasant, pleased the senses or affronted them and tinged their entire stay.

If they got up in the morning after a sleepless night because of unnecessary hall noises, poor mattresses, faulty bath tub or what not and went down to a poorly cooked or served breakfast their entire day began wrong and the slightest of experiences that they would have had with pleasure were their feeling it were received with indifference or even respect, their digestion uneven, their rest broken and before them was a night of similar experience.

Those who use hotels are not to be numbered in thousands, but in millions per annum. The majority of citizens of the United States use a hotel at least once a year for sleeping and eating purposes and they have been taught to expect not only the comforts of home, but super comforts, super service and super luxuries. With every man a different temperament and a creature of different habits the hotel of today must be prepared to please a thousand whims, notions and desires and at the same time not allow that indulgence to interfere with the whole notion or desire of another guest.

In other words, the hotel business must be and is one of the most highly specialized professions in the world.

Hotels Like Homes.
The basic principle of hotel keeping is still the cordial welcome and the maintenance of the friendly personal relationship of host and guest. But hotel keeping is no longer looked upon as a "gift," which covered a multitude of discomforts to the traveler. It is a science of business—and a business of science—carefully and thoughtfully studied in every particular, and with definitely formulated principles.

To study the traveling public, who want the best in hotel service—who wish to be well served, but not over-served, and who appreciate intelligent and courteous recognition of their needs and wishes.

To give every patron the feeling of experiencing genuine hospitality—the kind it is a pleasure to receive, because it is given with sincere pleasure in the giving.

To afford all the protection and convenience of up-to-date hotel practice, and the best operating methods, and to improve them constantly.

To be fair to all patrons, employees, and stockholders.

To recognize in the conduct of the business that honesty is the best policy in all transactions, that the highest grade of quality is essential in all purchases and preparations, and that its operation must be always unqualifiedly first class.

To cater to patrons and meet their wishes, the only limits to this being those of law and society and the comfort of others.

The Late Mr. Boldt.
The one outstanding figure connecting the past in old and new methods of hotel operation was the late George C. Boldt. Known and loved by the most universal and distinguished patronage ever established, Mr. Boldt was a man who represented the personification of hospitality. The world-famous Waldorf-Astoria was conceived by him in vision, and took shape and materialized under his personal guidance. He was the pioneer of modern

keeping, and he taught the world new standards in his well-beloved profession.

As Mr. Boldt may be said to connect the old and new in hotel operation, so the Waldorf-Astoria links the old-time small hotels with the monumental enterprises which today number thousands of rooms and count their guests in millions.

The New York hotel system is the official host of the world for America. It condenses the comfort and advantages of long experience in catering to countless millions over the centuries. Our hotels must and do fulfill the exacting function of welcoming and caring for the people of every land, under conditions adapted to their individual requirements. A series of highly organized departments of hotel service must be maintained, and it is no infrequent occurrence, for instance, to find an entire floor reserved exclusively for non-English-speaking guests of a particular nationality, where all attendants, from the clerk at the registration, to the maid, telephone operator, and waiter who dishes—are either of the same nationality or speak the language fluently.

Foreign Service.
Many of the New York hotels maintain in foreign countries special representatives and facilities to take care of the guest before he leaves his own country—book his hotel accommodations, change his itineraries, supply information, and help in planning arrangements in the greatest detail.

This foreign service is, vice versa, at the disposal of the hotel for leaving New York for foreign countries, for in the hotels themselves are established foreign clubs, reading rooms, special banking service, and many other highly specialized facilities.

New York City hotels have long been models for construction and management of hotel operations everywhere, and no projector of the modern hotel in the United States or Europe would think of beginning his work without first making a careful study of our monumental hostilities.

In most of our hotels, the visitor will find that his every wish may be fulfilled without leaving the building. A lady with children may be assigned to a "Woman's Floor," on which men are never roomed. There she will find a playground and nursery for the children, where they may romp and play or enjoy a quiet story hour with the attendant. On the "Woman's Floor" the guest will find a hair-dressing salon, library, reception rooms and many other special services.

There are house physicians always subject to call—even a dental office in some hotels. Brokers' offices, travel and information bureaus, drug stores, barber shops, Turkish baths, swimming pools, etc., are quite ordinary adjuncts to the hotel operation, as well as specialty shops for ladies, haberdasheries and innumerable other conveniences.

Places of Beauty.
Aesthetically, our hotels rank highly for their beautiful architecture, paintings and furnishings, and it is no uncommon occurrence, for instance, to have classes of art students request the privilege of being guided through the hotels and learning of the various treasures on display there. Our music is also an interesting feature, and orchestras of the highest type, often directed by world-famous artists, are included in the hotel organizations.

Likewise, in the kitchens—our chefs

Heifetz and His Violin Coming Here January 9



With a trail of sensational successes left behind him in half a dozen countries, Jascha Heifetz, last word among fiddlers, is back in America and soon to be heard at the City Auditorium at a recital managed by Mrs. Wilson-Greene, who brings him here the night of January 8.

The Russian genius sailed from New York in October, 1920, for England, accompanied by his father and mother, two sisters, three cousins, a secretary and a pianist. The last, by the way, Samuel Chotzinoff, is with him on his present American tour.

and stewards are frequently called upon to lecture to agricultural and home economics classes, who visit these departments because of their interesting and remarkable facilities for the study of culinary art.

In the business operation of the hotel every economic condition is a source of constant study; as an example of the careful analysis made in every branch of the operation might be mentioned the system of "food control." In our own restaurants, alone, five and a half million meals are served in the course of a year's business. Obviously these enormous volumes of restaurant business must involve most careful controlling. Although the theory of bill-of-fare prices, and the apparently arbitrary method by which they are arrived at, are to the mind of the average diner as obscure as "the theory of relativity," this subject is nevertheless a source of continual study and adjustment on the part of the hotel management. "Food control" answers the questions—"What happens to the thousands of dollars that in the form of raw material enters the establishment? Will all this merchandise reappear at the checkers' desks, properly accounted for as guests' sales? Are the number of streaks sold consistent with the number of steaks that are properly cut from the number of loins which the hotel accounting department is charged with children may be assigned to a "Woman's Floor," on which men are never roomed. There she will find a playground and nursery for the children, where they may romp and play or enjoy a quiet story hour with the attendant. On the "Woman's Floor" the guest will find a hair-dressing salon, library, reception rooms and many other special services.

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MARCONI SAYS TIME COP WITH RADIO SET

Art of Evading Arrest in Fast-
moving Auto Made Pos-
sible by Wireless.

By Paul F. Godley.

Motorists! Detect the speed cop by radio.
No less an authority than Marconi suggests the method.
It really can be done. Besides, it is very interesting for it brings to the general attention a problem with which aviators have been wrestling a long time.

To quote statistics, in the one group of five New York hotels which we operate—but one unit of the hotel industry of the city—1,000,000 guests were registered in the year 1920. A somewhat parallel organization known as the "Pershing Square Hotels" comprises five large establishments also, and contains, like our own organization, one of the three largest hotels in the world. The Pennsylvania Hotel, at present the largest of all, numbers more than 2,000 rooms.

The New York hotel system is the official host of the world for America. It condenses the comfort and advantages of long experience in catering to countless millions over the centuries. Our hotels must and do fulfill the exacting function of welcoming and caring for the people of every land, under conditions adapted to their individual requirements. A series of highly organized departments of hotel service must be maintained, and it is no infrequent occurrence, for instance, to find an entire floor reserved exclusively for non-English-speaking guests of a particular nationality, where all attendants, from the clerk at the registration, to the maid, telephone operator, and waiter who dishes—are either of the same nationality or speak the language fluently.

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cable which is on the market will serve the purpose.
And therein lies a way out—for the motorcycle cops.

By shielding the wiring of their machines they could prevent detection. But the odds are still on the motorist.

If he's a good radio fan and has a keen ear, he'll be able to sense his Nemesis half a mile away!

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TEN AMERICANS SAT AT INTERNATIONALE

[By Associated Press.]
MOSCOW, Dec. 30.—Ten delegates from the United States attended the recent congress of the Third International. They are said here to have come under assumed names, because, it is explained, of the "illegal" standing of the Communist Party in the United States. Several of the

delegates were accompanied by friends, so in all about twenty Americans were present at the Moscow and Petrograd sessions.

Upon arrival here the delegates were put up at hotels by the Internationale, and given books of coupons entitling them to three meals a day. They found it hard, in the beginning, to adapt themselves to the meal hours of Moscow—breakfast from 9 to 11 A. M.; dinner from 4 to 6 P. M. and supper from 9 to 11 at night.



May the New Year
be filled with ideals
you will be able to
realize and happiness
beyond measure!



As we stand on the threshold of a New Year, we wish to express our sincere appreciation to the public for the patronage which it has accorded this store during the past year. We feel it is no small thing to possess, in such a large measure, the confidence of this community, and it is our firm resolve to lift this store even to higher levels of usefulness to our patrons, advancing ever along the road of progress during the coming year.

STORE CLOSED MONDAY

THE COHEN CO.

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The Officers and Directors of the Broad Street Bank, and its Church Hill and Fulton Branches, wish for their Patrons and Friends a Prosperous and Happy New Year.

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HUDSON SEAL
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WAS \$375
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